

Suction Piece for or on a Device for Administering an Injectable Product

WHAT IS CLAIMED IS:

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1. A suction piece for a device for administering an injectable product, said suction piece including:
 - a) a suction chamber comprising a chamber opening rim via which said suction piece may be placed on a tissue;
 - b) a connection part in order to produce a mechanical connection to said device; and
 - c) a first passage extending through said connection part into said suction chamber, in order to produce a fluid connection between said suction chamber and a product reservoir of said device;
 - d) wherein the pressure in said suction chamber may be reduced, when said chamber opening rim is placed on said tissue, in order to suction said tissue.
 2. The suction piece as set forth in the preceding claim, characterised in that a second passage extends through said suction piece and opens into said suction chamber, to evacuate said suction chamber.
 3. The suction piece as set forth in claim 1, characterised in that said first passage is sealed air-tight by means of a seal.
 4. A device for administering an injectable product, said device including:
 - a) a casing comprising a receptacle for said product;
 - b) and a dispensing means comprising an opening through which said product may be administered into a tissue;
 - c) wherein said dispensing means comprising said opening opens into a suction chamber; and
 - d) a chamber opening rim of said suction chamber may be placed on said tissue;

- e) and wherein the pressure in said suction chamber placed on said tissue may be reduced.
5. The device as set forth in the preceding claim, characterised in that a passage is formed in a wall of said suction chamber, wherein said passage opens via one end into said suction chamber and at another end may be connected or is connected to a pump.
6. The device as set forth in claim 4, characterised in that said suction chamber is formed by a separate suction piece as set forth in any one of claims 1 to 3, and in that said suction piece is connected detachably or non-detachably to said device.
7. The device as set forth in claim 4, characterised in that said suction chamber is formed by said casing of said device.
8. The device as set forth in claim 4, characterised in that a pump, which comprises a suction side and a pressure side, is connected on said suction side to said suction chamber and on said pressure side to a delivery means of said device, such that said suction chamber may be evacuated and said delivery means may be operated in order to deliver said product, by means of said pump.
9. The device as set forth in claim 4, characterised in that said dispensing means is an injection needle which may be moved relative to said suction chamber toward said tissue.
10. The device as set forth in the preceding claim, characterised in that:
said injection needle is connected to a carrier means which may be moved relative to said casing;
a pump, which comprises a suction side and a pressure side, is connected on said suction side to said suction chamber and on said pressure side to said carrier means, such that said suction chamber may be evacuated and said carrier means may be moved by the pressure on said pressure side of said pump toward said tissue, by means of said pump.

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